March 2, 1926. 1,575,353

A. C. MAGRATH

CARD HOLDER FOR CALLING DIALS

Filed June 13, 1924

Fig. 1.

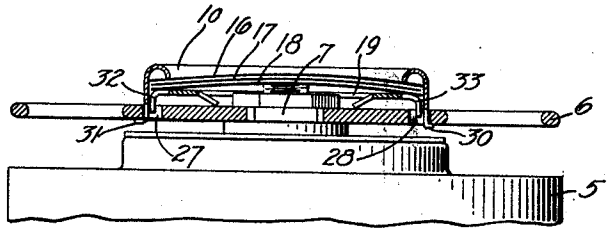
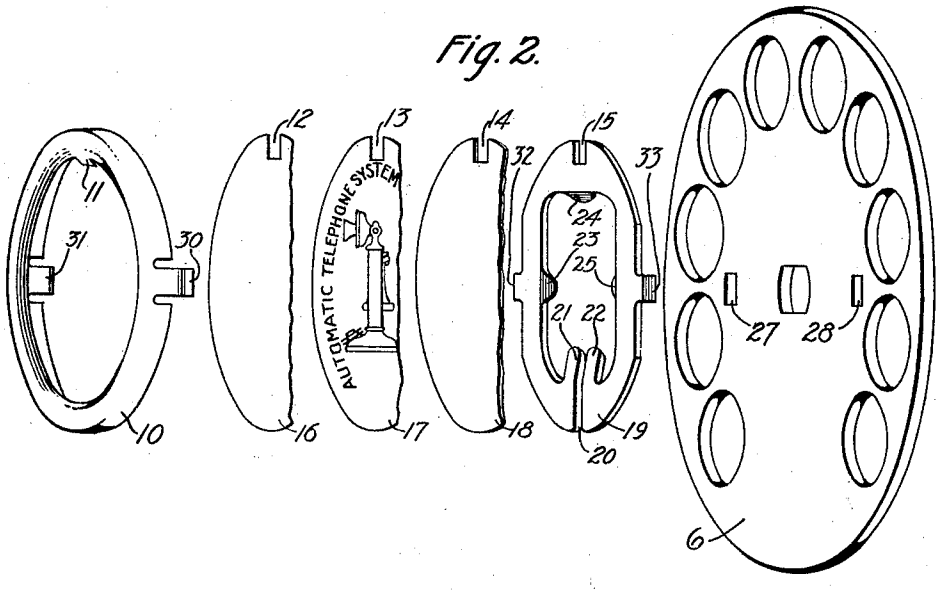


Fig. 2.



Inventor:
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by E. W. Adams Atty.

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UNITED STATES PATENT OFFICE.

ARTHUR C. MAGRATH, OF NEW DORP, NEW YORK, ASSIGNOR TO WESTERN ELECTRIC COMPANY, INCORPORATED, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

CARD HOLDER FOR CALLING DIALS.

Application filed June 13, 1924. Serial No. 719,707.

To all whom it may concern:

Be it known that I, ARTHUR C. MAGRATH, a citizen of the United States of America, residing at New Dorp, in the county of Richmond, State of New York, have invented certain new and useful Improvements in Card Holders for Calling Dials, of which the following is a full, clear, concise, and exact description.

This invention relates to calling dials and more specifically it refers to card holders or frames for supporting an instruction card and the like used in such dials.

The object of this invention is the provision of a device whereby the card holder is held in position on a supporting flange or the finger wheel of a calling dial in a positive and simple manner and a feature is the provision of means for reenforcing the card holder and certain fastening hooks carried thereby whereby the instruction card is held firmly in adjusted position on its supporting flange.

Other features of invention and advantages will appear from the following description and by the claims appended thereto, reference being had to the accompanying drawing in which:

Fig. 1 is a partial assembly view of a calling dial embodying the feature of the invention, and showing the finger wheel together with the card holder, the protecting disc, the instruction card and its supporting disc in cross section, and

Fig. 2 is an exploded view thereof showing in more detail the different elements of the device.

The calling dial to which this invention is particularly well adapted for use generally consists of a casing 5, a finger wheel 6 which is mounted on a centrally disposed shaft 7 adapted for operating an impulse mechanism (not shown) and a card holder or frame 10 in which an instruction card 17 is mounted. This card holder has its upper edge inwardly bent as shown in Figs. 1 and 2 and a lug 11 downwardly extending from this edge is adapted to fit into the notches 12, 13, 14 and 15 of the transparent protecting disc 16, the instruction card 17, its supporting disc 18 and a reenforcing ring 19, respectively.

The reenforcing ring 19 is preferably made of a relatively thick sheet of brass and is made to fit tightly the inside of the card holder 10 through the provision of a slot 20 which renders the ring peripherally resilient and thereby prevents the deformation of the card holder due to the tension of its oppositely disposed spring arms 30 and 31 acting against the sides of apertures 27 and 28 in the mounting plate 6. The disc 19 carries a plurality of spring lugs 21, 22, 23, 24 and 25 which are bent downwardly in contact with the finger wheel 6 for pressing the members 16, 17 and 18 collectively against the edge of the inwardly bent portion of the ring 10 as shown in Fig. 1.

The apertures 27 and 28 in the plate 6 are disposed to register with the hooks 30 and 31 which are preferably formed integrally with the holder 10. Aperture 27 and its associated hook 31 are preferably made larger than aperture 28 and its associated lug 30 in order to readily secure the proper location of the instruction card 17 with reference to the general position of the dial on its mounting stand. The ring 19 is provided with two oppositely disposed lugs 32 and 33 which extend laterally therefrom in abutment with the hooks 30 and 31 for reenforcing the hooks and thereby securing the card holder firmly on its supporting flange.

What is claimed is:

1. The combination with a card holder, of a mounting plate, an instruction card mounted in said holder, and an adjustable member for securing said card in said holder and said holder on said mounting plate.

2. The combination with a card holder, of a transparent disc, an instruction card, a rigid disc and a ring capable of adjustment in said holder, and means carried by said ring for supporting said rigid disc, said card and said transparent disc collectively in said holder.

3. The combination with a card holder, of a flat reenforcing ring for said card holder, said ring being peripherally resilient, a mounting plate, a plurality of hooked arms carried by said holder and a plurality of arms carried by said ring cooperating with said hooked arms for securing said holder on said plate.

4. A card holder for use with calling dials of the type wherein a flanged card holder provides a mounting for a number of discs including an instruction card, and wherein

the holder is provided with lugs which register with recesses in the finger wheel of the dial, in combination, a finger wheel plate, a comparatively heavy member having a number of lugs engaging the inner surface of said holder lugs to reenforce the same and also registering with said recesses and having other lugs which press against the finger wheel so as to push the reenforcing member outwardly against the instruction card to hold the card firmly in place.

In witness whereof, I hereunto subscribe my name this 11th day of June A. D., 1924.

ARTHUR C. MAGRATH.